

TALINUM RUGOSPERMUM (PORTULACACEAE) NEW TO OKLAHOMA

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ABSTRACT

Talinum rugospermum Holz. (Portulacaceae) is reported new to Oklahoma. It was discovered at The Nature Conservancy's Boehler Seeps and Sandhills Preserve in Atoka County.

RESUMEN

Se cita como nuevo para Oklahoma *Talinum rugospermum* Holz. (Portulacaceae). Se ha descubierto en la reserva Nature Conservancy's Boehler Seeps and Sandhills en el condado de Atoka.

Talinum rugospermum Holz. has not been reported from Oklahoma although it occurs in Texas, Arkansas, Kansas, and Louisiana (Cochrane 1993; Taylor & Taylor 1994; Singhurst 1996; MacRoberts & MacRoberts 1997; Kartesz & Meacham 1999; Kiger 2003; USDA, NRCS 2006; NatureServe 2006; Oklahoma Natural Heritage Inventory 2003; Hoagland et al. 2004, Bruce Hoagland pers. comm., Jason Singhurst, pers. comm.). On May 18 and 19, 2006, we found over one hundred *T. rugospermum* plants in flower in xeric sandylands at The Nature Conservancy's Boehler Seeps and Sandhills Preserve, Atoka County, Oklahoma. Also known as a bluejack oak sandhill community or *Quercus incana-Quercus stellata* woodland association, xeric sandylands occur in eastern Texas, southern Oklahoma, southwestern Arkansas, and western Louisiana, and are rare in all but Texas (Jones 1993; Hoagland 2000; MacRoberts et al. 2002a; Diggs et al. 2006). Xeric sandylands are characterized by deep sands, an open understory, sparse vegetation, and a distinct assemblage of plants, many of which are endemic to the West Gulf Coastal Plain (MacRoberts et al. 2002a, 2002b). In Oklahoma, Boehler Seeps and Sandhill Preserve is the best remaining site for this community (Jones & Carpenter 1995; Gatti Clark 1997). The global conservation status rank for *T. rugospermum* assigned by NatureServe (2006) is G3G4, meaning that it is either vulnerable across its range (G3) or apparently secure (G4). Associate species at the site included *Cnidocolus texanus*, *Collinsia violacea*, *Commelina erecta*, *Eriogonum longifolium*, *Evax prolifera*, *Loeflingia squarrosa*, *Opuntia humifusa*, *Paronychia drummondii*, *Phacelia strictiflora*, *Quercus incana*, *Selaginella arenicola* ssp. *riddellii*, and *Stylisma pickeringii*.

Voucher specimen: **U.S.A. Oklahoma. Atoka Co.:** Boehler Seeps and Sandhills Preserve, just W of Boehler, SE1/4 SE1/4 S25 and NE1/4 NE1/4 S36, T4S R13E. 18 May 2006, Reid, Faulkner, MacRoberts, MacRoberts 5754 (LSU, OKL)

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